

09/715,787 05/04/09 SB

AMENDMENTS TO THE SPECIFICATION

Amend the paragraph starting on page 15, at line 1, as follows:

SID_UPDATE frames are communicated on the downlink path from the base station to mobile station A on frames FN8-11 (block B3) of the multiframe 702. Next, the base station transmits downlink traffic to mobile station C in frames FN13-16. After the base station allocates time slot TN0 back to mobile station A, the base station transmits the ONSET frame in frames FN17-19 in block B5, along with a portion of speech frame 0 (SF#0) in frames FN18-20. Pursuant to the interleaving scheme discussed above, the remainder of speech frame SF#0 to mobile station A is communicated in block B7 (in frame FN26). Since the downlink path to mobile station B is still in DTX mode, that portion of time slot TN0 can be used to carry traffic to mobile station C. For mobile station A, subsequent speech frames SF#1, SF#2, and SF#3 are interleaved over bursts in frames of blocks B7 and B9. In addition, SF#3 is the last traffic frame, so a SID_FIRST frame is also interleaved over bursts in block B9 to indicate the start of DTX mode.

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Amend the paragraph starting on page 20, at line ⁷~~3~~, as follows:

The statistical multiplexer 116 (Fig. 2) can be implemented in one or more layers of the base station ~~200~~ 202 (e.g., the transceiver ~~227~~ 253, RLC/MAC layer ~~225~~ 255, and higher layers, as shown in Fig. 8B).